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Attorney Docket No.: 21402-290C (Cura-590C)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICANT(S): Padigaru et al.  
SERIAL NUMBER: 10/092,900  
FILING DATE: March 7, 2002  
FOR: Novel Proteins and Nucleic Acids Encoding Same  
EXAMINER: Not Yet Assigned  
ART UNIT: 1645

BOX IDS  
Commissioner for Patents  
Washington, D.C. 20231

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INFORMATION DISCLOSURE STATEMENT

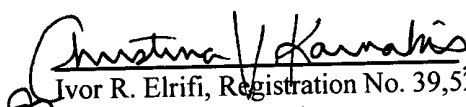
Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references. Please note that due to the volume of certain references only the first page is included. However, if the Examiner requests a reference in its entirety the Applicants will provide it in a timely fashion.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action based on the merits in the above-identified case. Accordingly, no fee or certification is believed required.

It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed Form PTO-1449 to evidence that the cited information has been fully considered by the PATENT AND TRADEMARK OFFICE during the examination of this application.

Please charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 (Reference No. 21402-290C (Cura-590C)).

Respectfully submitted,

 Reg. No. 45,899  
Ivor R. Elrifi, Registration No. 39,529

Dated: July 24, 2002

Attorney for the Applicants  
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**TRANSMITTAL LETTER**

Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (1 page), in duplicate;
2. Modified Form 1449/PTO (26 pages), in duplicate;
3. Cited References A1-A11, B1-B207 and C1-C803; and
4. Return Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 542-6000, Boston, Massachusetts.

The Commissioner is authorized to charge any fees that may be due, or to credit any overpayment, to the undersigned's account, Deposit Account No. 50-0311 Ref. No. 21402-290C (Cura-590C). A duplicate copy of this transmittal letter is enclosed herewith.

Respectfully submitted,

*Christina V. Karnakos*, Reg. No. 45,899  
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Dated: July 24, 2002

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<b>Modified Form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary).	<b>Application Number</b>	10/092,900
	<b>Filing Date</b>	03/07/02
	<b>First Named Inventor</b>	Padigaru
	<b>Group Art Unit</b>	1645
	<b>Examiner Name</b>	Not Yet Assigned
	<b>Attorney Docket Number</b>	21402-290 C (Cura-590 C)

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s). or Applicant(s).	Class	Sub Class	Filing Date If Appropriate
	A1	5,871,697	2/16/1999	Rothberg et al.			10/24/1995
	A2	6,146,868	11/14/2000	Kozel et al.			8/9/1999
	A3	6,232,291	5/15/2001	Ni et al.			5/10/1999
	A4	5,985,664	11/16/1999	Baker et al.			12/17/1998
	A5	5,756,299	5/26/1998	Hillman et al.			12/9/1996
	A6	6,087,398	7/11/2000	Goodman			3/1/1996
	A7	5,942,398	8/24/1999	Tartaglia et al.			2/26/1998
	A8	6,136,547	10/24/2000	Tartaglia et al.			4/26/1999
	A9	6,183,990	2/6/2001	Duecker et al.			5/14/1999
	A10	5,710,019	1/20/1998	Li et al.			6/5/1995
	A11	6,153,188	11/28/2000	Wilson et al.			2/12/1999

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Exam Initials	Cite No.	Foreign Patent Document Office	Number	Name of Patentee(s). or Applicant(s).	Date of Publication	Translation Yes	No
	B1	CA	2,245,340	Medical and Biological Laboratories Co.	2/19/2000	X	
	B2	CN	1257924	University Fudan (English abstract)	6/28/2000		X
	B3	CN	1259574	University Fudan (English abstract)	7/12/2000		X
	B4	CN	1296014	Shanghai Shengyuan Gene Dev Co. (English abstract)	5/23/2001		X
	B5	CN	1297918	Shanghai Borong Gene Dev Co. LT (English abstract)	6/6/2001		X
	B6	CN	1299825	Shanghai Shengyuan Gene Dev Co. (English abstract)	6/20/2001		X
	B7	CN	1302875	University Fudan (English abstract)	7/11/2001		X
	B8	CN	1302876	University Fudan (English abstract)	7/11/2001		X
	B9	DE	4216321	BASF AG (English abstract)	11/18/1993		X
	B10	DE	19644501	DEUTSCHES KREBSFORSCH (English abstract)	4/30/1998		X
	B11	DE	19840771	Lion Bioscience AG (English abstract)	2/10/2000		X
	B12	DE	19929364	BASF LYNX BIOSCIENCE AG (English abstract)	12/28/2000		X
	B13	DE	19946173	FORSCH DIE BIOLOG LANDW	4/5/2001		X

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				LICHER (English abstract)			
	B14	DE	19963612	Forschungsgesellschaft Genion (English abstract)	7/12/2001		X
	B15	EP	174608	The Board of Trustees of the Leland Stanford Junior University	3/19/1986	X	
	B16	EP	326067	E.I. Du Pont de Nemours and Co.	1/24/1989	X	
	B17	EP	955363	Hoffmann-La Roche AG	11/10/1999	X	
	B18	EP	1033401	GENSET	9/6/2000	X	
	B19	EP	1033405	Ceres Inc.	9/6/2000	X	
	B20	EP	1063297	Korea Kumho Petrochemical Co.	12/27/2000	X	
	B21	EP	1074617	Helix Research Institute (First page only)	2/7/2001	X	
	B22	EP	1108790	Kyowa Hakko Kogyo Co., Ltd.	6/20/2001	X	
	B23	EP	1130094	Helix Research Institute (First page only)	9/5/2001	X	
	B24	FR	2727129	Rhone Poulenc Agrochimie (English abstract)	5/24/1996		X
	B25	FR	2792651	Centre Nat Rech Scient (English abstract) (First page only)	10/27/2000		X
	B26	FR	2806095	Gentech (English abstract)	9/14/2001		X
	B27	JP	00/014388	ORIENTAL YEAST CO LTD (English abstract)	1/18/2000		X
	B28	JP	00/037190	JAPAN TOBACCO INC (English abstract)	2/8/2000		X
	B29	JP	01/163798	KANEGAFUCHI CHEM IND CO LTD (English abstract)	6/19/2001		X
	B30	JP	01/120279	KANSAI TLO KK (English abstract)	5/8/2001		X
	B31	JP	02057179	MEIJI MILK PROD CO LTD (English abstract)	2/26/1990		X
	B32	JP	06038773	TOYOBO CO LTD (English abstract)	2/15/1994		X
	B33	JP	07031482	RAIFU TECHNOL KENKYUSHO (English abstract)	7/21/1993		X
	B34	JP	07132093	TAKAYASU DATE (English abstract)	11/12/1993		X
	B35	JP	08073380	OSAKA PREFECTURE; KIRIN BREWERY CO LTD (English abstract)	9/2/1994		X
	B36	JP	09248190	TOJO HIROMASA; TONEN CORP (English abstract)	3/15/1996		X
	B37	JP	11332579	OTSUKA PHARMACEUT CO LTD (English abstract)	12/7/1999		X
	B38	JP	08092290	SOOSEI:KK (English abstract)	4/9/1996		X
	B39	WO	00/08149	Centre National de la Reserche Scientifique	2/17/2000	X	
	B40	WO	00/11204	The Johns Hopkins University School of Medicine	3/2/2000	X	
	B41	WO	00/12708	Genentech, Inc.	3/9/2000	X	
	B42	WO	00/12722	Shanghai Patent & Trademark Law Office (English abstract)	9/3/2000		X
	B43	WO	00/23589	Incyte Pharmaceuticals, Inc.	4/27/2000	X	
	B44	WO	00/26372	Incyte Pharmaceuticals, Inc.	5/11/2000	X	

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Exam Initials	Cite No.	Foreign Patent Document Office	Number	Name of Patentee(s). or Applicant(s).	Date of Publication	Translation Yes	No
	B45	WO	00/27861	The Board of Trustees of the Leland Stanford Junior University	5/18/2000	X	
	B46	WO	00/28045	Incyte Pharmaceuticals, Inc.	5/18/2000	X	
	B47	WO	00/31263	Incyte Pharmaceuticals, Inc.	6/2/2000	X	
	B48	WO	00/43495	Human Genome Sciences, Inc.	7/27/2000	X	
	B49	WO	00/47102	The General Hospital Corporation	8/17/2000	X	
	B50	WO	00/47734	President and Fellows of Harvard College	8/17/2000	X	
	B51	WO	00/49134	Alphagene, Inc.	8/24/2000	X	
	B52	WO	00/53750	Genentech, Inc.	9/14/2000	X	
	B53	WO	00/55173	Human Genome Sciences, Inc. (First page only)	9/21/2000	X	
	B54	WO	00/55174	Human Genome Sciences, Inc. (First page only)	9/21/2000	X	
	B55	WO	00/55180	Human Genome Sciences, Inc. (First page only)	9/21/2000	X	
	B56	WO	00/55350	Human Genomoe Sciences, Inc. (First page only)	9/21/2000	X	
	B57	WO	00/55375	Alphagene, Inc.	9/21/2000	X	
	B58	WO	00/58473	CuraGen Corporation (First page only)	10/5/2001	X	
	B59	WO	00/61596	Human Genome Sciences, Inc.	10/19/2000	X	
	B60	WO	00/61748	Human Genome Sciences, Inc.	10/19/2000	X	
	B61	WO	00/65055	Lexicon Genetics Inc.	11/2/2000	X	
	B62	WO	00/73467	Saint Louis University	12/7/2000	X	
	B63	WO	00/73801	Ludwig Institute for Cancer Research	12/7/2000	X	
	B64	WO	00/77024	New York Blood Center	12/21/2000	X	
	B65	WO	00/78921	The Johns Hopkins University School of Medicine	12/28/2000	X	
	B66	WO	00/78934	School of Pharmacy, University of London	12/28/2000	X	
	B67	WO	00/78961	Genentech, Inc.	12/28/2000	X	
	B68	WO	00/79267	School of Pharmacy, University of London	12/28/2000	X	
	B69	WO	00/63392	Kyowa Hakko Kogyo Co, Ltd. (English abstract)	10/26/2000		X
	B70	WO	00/57903	Human Genome Sciences, Inc.	10/5/2000	X	
	B71	WO	00/55351	Human Genome Sciences, Inc. (First page only)	9/21/2000	X	
	B72	WO	00/08164	Lion Bioscience AG (English abstract)	2/17/2000		X
	B73	WO	01/79449	Hyseq, Inc. (First page only)	10/25/2001	X	
	B74	WO	01/77327	Genome Therapeutics Corporation	10/18/2001	X	
	B75	WO	01/76532	Cogent Neuroscience, Inc.	10/18/2001	X	
	B76	WO	01/74904	CuraGen Corporation	10/11/2001	X	
	B77	WO	01/73059	Millennium Pharmaceuticals, Inc.	10/4/2001	X	
	B78	WO	01/72977	PE Corporation	10/4/2001	X	
	B79	WO	01/72962	Saatcioglu, et al.	10/4/2001	X	
	B80	WO	01/72955	Bayer Aktiengesellschaft	10/4/2001	X	
	B81	WO	01/68848	Genentech, Inc. (First page only)	9/20/2001	X	

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Exam Initials	Cite No.	Foreign Patent Document Office	Number	Name of Patentee(s). or Applicant(s).	Date of Publication	Translation Yes No
	B82	WO	01/68805	Senomyx, Inc.	9/20/2001	X
	B83	WO	01/66752	Whitehead Institute for Biomedical Research	9/13/2001	X
	B84	WO	01/66689	Hyseq, Inc.	9/13/2001	X
	B85	WO	01/64904	Millennium Pharmaceuticals	9/7/2001	X
	B86	WO	01/64903	Lexicon Genetics Inc.	9/7/2001	X
	B87	WO	01/64894	Millennium Pharmaceuticals	9/7/2001	X
	B88	WO	01/64879	CuraGen Corporation	9/7/2001	X
	B89	WO	01/64835	Hyseq, Inc. (First page only)	9/7/2001	X
	B90	WO	01/64834	Hyseq, Inc.	9/7/2001	X
	B91	WO	01/61016	Lexicon Genetics, Inc.	8/23/2001	X
	B92	WO	01/61005	Millennium Pharmaceuticals	8/23/2001	X
	B93	WO	01/60992	PE Corporation	8/23/2001	X
	B94	WO	01/60865	CuraGen Corporation	8/23/2001	X
	B95	WO	01/59063	Human Genome Sciences, Inc. (First page only)	8/16/2001	X
	B96	WO	01/57278	Molecular Dynamics, Inc.	8/9/2001	X
	B97	WO	01/57276	Molecular Dynamics, Inc. (First page only)	8/9/2001	X
	B98	WO	01/57275	Molecular Dynamics, Inc. (First page only)	8/9/2001	X
	B99	WO	01/57274	Molecular Dynamics, Inc. (First page only)	8/9/2001	X
	B100	WO	01/57272	Molecular Dynamics, Inc. (First page only)	8/9/2001	X
	B101	WO	01/57270	Molecular Dynamics, Inc.	8/9/2001	X
	B102	WO	01/57190	Hyseq, Inc. (First page only)	8/9/2001	X
	B103	WO	01/57188	Hyseq, Inc.	8/9/2001	X
	B104	WO	01/57182	Human Genome Sciences, Inc. (First page only)	8/9/2001	X
	B105	WO	01/57085	Incyte Genomics, Inc.	8/9/2001	X
	B106	WO	01/55368	Human Genome Sciences, Inc.	8/2/2001	X
	B107	WO	01/55322	Human Genome Sciences, Inc. (First page only)	8/2/2001	X
	B108	WO	01/55320	Human Genome Sciences, Inc. (First page only)	8/2/2001	X
	B109	WO	01/55311	Human Genome Sciences, Inc.	8/2/2001	X
	B110	WO	01/55301	Human Genome Sciences, Inc. (First page only)	8/2/2001	X
	B111	WO	01/55179	CuraGen Corporation	8/2/2001	X
	B112	WO	01/54477	Hyseq, Inc. (First page only)	8/2/2001	X
	B113	WO	01/54474	Human Genome Sciences Inc., (First page only)	8/2/2001	X
	B114	WO	01/53489	Lexicon Genetics, Inc.	7/26/2001	X
	B115	WO	01/53455	Hyseq, Inc. (First page only)	7/26/2001	X
	B116	WO	01/53454	Hyseq, Inc.	7/26/2001	X
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Exam initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s). or Applicant(s).	Date of Publication	Translation Yes No		
	B119	WO 01/51638	Incyte Genomics, Inc.	7/19/2001	X		
	B120	WO 01/46443	Incyte Genomics, Inc.	6/28/2001	X		
	B121	WO 01/46397	Incyte Genomics, Inc.	6/28/2001	X		
	B122	WO 01/46262	Centre Nat'l de la Recherche Scientifique-CNRS	6/28/2001	X		
	B123	WO 01/44473	CuraGen Corporation	6/21/2001	X		
	B124	WO 01/44446	Millennium Pharmaceuticals, Inc.	6/21/2001	X		
	B125	WO 01/42288	Incyte Genomics, Inc.	6/14/2001	X		
	B126	WO 01/42285	Incyte Genomics, Inc.	6/14/2001	X		
	B127	WO 01/40466	Genentech, Inc. (First page only)	6/7/2001	X		
	B128	WO 01/38503	Sugen, Inc. (First page only)	5/31/2001	X		
	B129	WO 01/38372	Shanghai Biorigin Gene Development (English abstract)	5/31/2001		X	
	B130	WO 01/34798	The Gov't of the USA	5/17/2001	X		
	B131	WO 01/32888	Incyte Genomics, Inc.	5/10/2001	X		
	B132	WO 01/32876	Mitokor	5/10/2001	X		
	B133	WO 01/32675	Human Genome Sciences, Inc. (First page only)	5/10/2001	X		
	B134	WO 01/31014	Pharmacia & Upjohn, Co.	5/3/2001	X		
	B135	WO 01/30813	Millennium Pharmaceuticals	5/3/2001	X		
	B136	WO 01/29221	Zymogenetics, Inc. (First page only)	4/26/2001	X		
	B137	WO 01/27158	Digiscents (First page only)	4/19/2001	X		
	B138	WO 01/25434	Urogenesys, Inc.	4/12/2001	X		
	B139	WO 01/25427	Kyowa Hakko Kogyo Co, Ltd. (English abstract only)	4/12/2001	X		
	B140	WO 01/23546	Human Genome Sciences, Inc. (First page only)	4/5/2001	X		
	B141	WO 01/22920	Human Genome Sciences, Inc. (First page only)	4/5/2001	X		
	B142	WO 01/21654	Rigel Pharmaceuticals	3/29/2001			
	B143	WO 01/18014	Human Genome Sciences, Inc. (First page only)	3/15/2001	X		
	B144	WO 01/14564	CuraGen Corporation	3/1/2001	X		
	B145	WO 01/13910	Massachusetts Institute of Technology	3/1/2001	X		
	B146	WO 01/12790	Incyte Genomics	2/22/2001	X		
	B147	WO 01/09345	Helix Research Institute (English abstract)	2/8/2001		X	
	B148	WO 01/09318	Helix Research Institute (English abstract)	2/8/2001		X	
	B149	WO 01/09317	Helix Research Institute (English abstract)	2/8/2001		X	
	B150	WO 01/09316	Helix Research Institute (English abstract)	2/8/2001		X	
	B151	WO 01/05970	Incyte Genomics (English abstract)	1/25/2001	X		
	B152	WO 01/00874	Ludwig Institute for Cancer Research	1/4/2001	X		
	B153	WO 01/00844	BASF Aktiengesellschaft (First page only)	1/4/2001	X		
	B154	WO 01/00843	BASF Aktiengesellschaft (First page	1/4/2001	X		

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Exam initials	Cite No.	Foreign Patent Document Office	Number	Name of Patentee(s). or Applicant(s).	Date of Publication	Translation Yes	No
				only)			
	B155	WO	01/00805	BASF Aktiengesellschaft (First page only)	1/4/2001	X	
	B156	WO	99/64630	Axys Pharmaceuticals, Inc.	12/16/1999	X	
	B157	WO	99/61471	Incyte Pharmaceuticals	12/2/1999	X	
	B158	WO	99/58667	SmithKline Beecham Corporation	11/18/1999	X	
	B159	WO	98/57978	U of Medicine and Dentistry of New Jersey	11/23/1998	X	
	B160	WO	99/58558	Incyte Pharmaceuticals	11/18/1999	X	
	B161	WO	98/56813	Incyte Pharmaceuticals	12/17/1998	X	
	B162	WO	99/57144	Incyte Pharmaceuticals	11/11/1999	X	
	B163	WO	99/55862	Sagami Chemical Research Center	11/4/1999	X	
	B164	WO	99/50453	Kyowa Hakko Kogyo Co, Ltd. (English abstract)	10/7/1999		X
	B165	WO	98/48015	Chugai Research Institute for Molecular Medicine, Inc. (English abstract)	10/29/1998		X
	B166	WO	99/47923	The Rockefeller University	9/23/1999	X	
	B167	WO	99/43696	Axys Pharmaceuticals, Inc.	9/2/1999	X	
	B168	WO	97/41252	Gesellschaft fur Biotechnologische	11/6/1997		X
	B169	WO	99/41373	Incyte Pharmaceuticals	8/19/1999	X	
	B170	WO	98/39448	Human Genome Sciences, Inc. (First page only)	9/11/1998	X	
	B171	WO	99/38981	Incyte Pharmaceuticals	8/5/1999	X	
	B172	WO	99/38970	Diagnostic Technologies Ltd	8/5/1999	X	
	B173	WO	99/37788	Sugen, Inc.	7/29/1999	X	
	B174	WO	99/36536	Blood Center Research Foundation	7/22/1999	X	
	B175	WO	98/36064	The Procter & Gamble Company	8/20/1998	X	
	B176	WO	98/35034	Centre National de la Recherche (English abstract)	8/13/1998		X
	B177	WO	99/32635	Zeneca Ltd	7/1/1999	X	
	B178	WO	98/30677	The Scripps Research Institute	7/16/1998	X	
	B179	WO	95/29234	Merck Sharp & Dohme Limited	11/2/1995	X	
	B180	WO	98/28419	The Board of Trustees of the Leland Stanford Junior University	7/2/1998	X	
	B181	WO	99/27105	GENSET (First page only)	6/3/1999	X	
	B182	WO	98/23742	Merck Sharp & Dohme Limited	6/4/1998	X	
	B183	WO	99/23880	Johns Hopkins University	5/20/1999	X	
	B184	WO	97/22702	Sugen, Inc.	6/26/1997	X	
	B185	WO	92/21364	New England Deaconess Hospital Corp	12/10/1992	X	
	B186	WO	95/21252	The Board of Trustees of the Leland Stanford Junior University	8/10/1995	X	
	B187	WO	99/22005	Massachusetts Institute of Technology	5/6/1999	X	
	B188	WO	98/20038	Board of Regents, the University of Texas System	5/14/1998	X	
	B189	WO	96/18957	The Trustees of Columbia University	6/20/1996	X	
	B190	WO	99/19352	Blood Center Research Foundation	4/22/1999	X	
	B191	WO	99/18208	Human Genome Sciences, Inc.	4/15/1999	X	
	B192	WO	98/17795	Cedars-Sinai Medical Center	4/30/1998	X	



FOREIGN PATENT DOCUMENTS							
Exam Initials	Cite No.	Foreign Patent Document Office	Number	Name of Patentee(s). or Applicant(s).	Date of Publication	Translation Yes No	
	B193	WO	97/15668	Board of Regents, the University of Texas System	5/1/1997	X	
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Examiner Signature		Date Considered	
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